



+

Substitute for form 1449B/PTO

Complete if Known

Application Number	10/680,625
Filing Date	October 7, 2003
First Named Inventor	Tommy Grigsby
Group Art Unit	2874
Examiner Name	Unassigned
Attorney Docket Number	2002-IP-009328 U1 USA

Sheet	1	of	1
-------	---	----	---

[illegible]

T. LE

Considered

1/21/05

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

+

+

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Compl t if Known:

Application Number	10/680,625
Filing Date	October 7, 2003
First Named Inventor	Tommy Grigsby
Group Art Unit	2874
Examiner Name	Unassigned
Attorney Docket Number	2003-IP-009328 U1 USA

(use as many sheets as necessary)

Sheet 1 of 2

U.S. PATENT DOCUMENT						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
TL		6,684,950		Patel	02-03-2004	
		6,332,787		Barlow, et al.	12-25-2001	
		6,186,229		Martin, et al.	02-13-2001	
		4,134,455		Read	01-16-1979	
		5,727,630		Brammer	03-17-1998	
		6,378,610		Rayssiguier, et al.	04-30-2002	
		6,302,203		Rayssiguier, et al.	10-16-2001	
		5,947,198		McKee, et al.	09-07-1999	
		5,251,708		Perry, et al.	10-12-1993	
		6,062,073		Patton, et al.	05-16-2000	
		5,831,156		Mullins	11-03-1998	
		6,568,481		Koehler, et al.	05-27-2003	
		5,645,438		Caims	07-08-1997	
		6,736,545		Caims, et al.	05-18-2004	
		5,778,978		Crow	07-14-1998	
		6,349,770		Brooks, et al.	02-26-2002	
		5,048,610		Ross, et al.	09-17-1991	
		2003/0192708		Koehler, et al.	10-16-2003	
		2002/0125008		Wetzel, et al.	09-12-2002	
TL		2002/0014340		Johnson	02-07-2002	

[illegible]

T. LE

Considered

1/21/05

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (MPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → ☐

AUG 04 2004

PTO/SB/08B (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/680,625
		Filing Date	October 7, 2003
		First Named Inventor	Tommy Grigsby
		Group Art Unit	2874
		Examiner Name	Unassigned
		Attorney Docket Number	2003-IP-009328 U1 USA
Sheet	2	of	2

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ²	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
TL		Office Action for Serial number 10/680,053 dated June 11, 2004	
TL		U.S. Patent application Serial number 10/680,053 filed October 7, 2003	
TL		U.S. Patent application Serial number 10/828,085 filed April 20, 2004	
TL		U.S. Patent application Serial number 10/680,440 filed October 7, 2003	
TL		U.S. Patent application Serial number 10/790,908 filed March 2, 2004	
TL		The Expro Group brochure, "Tronic Fibre Optic Wellhead Feedthrough Connectors", undated	
TL		Seacon brochure, "Fiber Optic Connectors", undated	
TL		Ocean Design, Inc. brochure, "NRH Connector", undated	
TL		Ocean Design, Inc. brochure, "Hybrid Wet-Mate", 2000	
TL		Ocean Design, Inc. brochure, "I-CONN; Wet-Mateable Optical Connector", 2000	
TL		Seacon Advanced Products data sheets, pgs. 22-1 through 22-20	

Examiner Signature	T. LE	Date Considered	1/21/05
--------------------	-------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box →

PTO/SB/08B (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
is a collection of information unless it contains a valid OMB control number.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

Application Number	10/680,625
Filing Date	October 7, 2003
First Named Inventor	Tommy Grigsby
Group Art Unit	2874
Examiner Name	Unknown
Attorney Docket Number	2003-IP-009328 U1 USA

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

[illegible]

Examiner Signature	T. LE	Date Considered	1/21/05
-----------------------	-------	--------------------	---------

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	1	of	3
-------	---	----	---

Complete if Known

Application Number	10/680,625
Filing Date	OCTOBER 7, 2003
First Named Inventor	BRUCE TECHENTJEN
Group Art Unit	UNASSIGNED
Examiner Name	UNASSIGNED
Attorney Docket Number	2002-IP-009328 U1 USA

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

Examiner
Signature

T. LE

Date	
Considered	

1/21/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → ☐

PTO/SB/08B (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U. S. Patent and Trademark Office: U. S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.



Substitute for form 1449B/PTO			C mplete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	10/680,625	
			Filing Date	OCTOBER 7, 2003	
			First Named Inventor	BRUCE TECHENTEN	
			Group Art Unit	UNASSIGNED	
			Examiner Name	UNASSIGNED	
Sheet	2	of	3	Attorney Docket Number	2002-IP-009328 U1 USA

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
TL		INTELLIGENT WELLS, "OPTICAL FIBER TECHNOLOGY," dated OCTOBER, 2002	
TL		INTELLIGENT WELLS, "OIL FIELD APPLICATIONS OF HYDROPTICS TECHNOLOGY," dated OCTOBER, 2002	
TL		WORLD OIL, "WORLD'S FIRST MULTIPLE FIBER-OPTIC INTELLIGENT WELL," dated MARCH, 2003	
TL		UNDERWATER MAGAZINE, "UNDERWATER MATEABLE CONNECTORS IN THE MILITARY AND TELECOM SECTORS," dated SEPTEMBER/OCTOBER, 2002	
TL		SEA TECHNOLOGY, "THE RUGGEDIZATION OF HYBRID WET-MATE CONNECTORS," dated JULY, 2000	
TL		SEA TECHNOLOGY, "OPTICAL FIBER AND CONNECTORS: CRITICAL FOR FUTURE SUBSEA SYSTEMS," undated	
TL		OTC 15323, "THE DEVELOPMENT AND APPLICATION OF HT/HP FIBER-OPTIC CONNECTORS FOR USE ON SUBSEA INTELLIGENT WELLS," dated 2003	
TL		JOURNAL OF PETROLEUM TECHNOLOGY, "DEVELOPMENT OF HP/HT FIBER-OPTIC CONNECTORS FOR SUBSEA INTELLIGENT WELLS," dated AUGUST, 2003	
TL		SEA TECHNOLOGY, "HYBRID WET-MATE CONNECTORS: 'WRITING THE NEXT CHAPTER'," dated JULY, 1997	
TL		TRONIC, "TRONIC FIBRE OPTIC WELLHEAD FEEDTHROUGH CONNECTORS," undated	
TL		TRONIC, "FIREFLY PROJECT," undated	

Examiner Signature	T. LE	Date Considered	1/21/05
-----------------------	-------	--------------------	---------

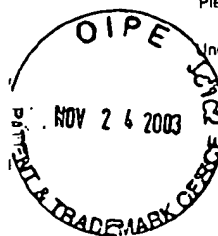
¹EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → ☐

PTO/SB/08B (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U. S. Patent and Trademark Office: U. S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.



Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 3 of 3

Completion

Application Number	10/680,625
Filing Date	OCTOBER 7, 2003
First Named Inventor	BRUCE TECHENTIE
Group Art Unit	UNASSIGNED
Examiner Name	UNASSIGNED
Attorney Docket Number	2002-IP-009328 U1 USA

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
TL		OTC 13235, "EXTENDING TIEBACK DISTANCES: WET-MATE CONNECTORS, ENABLING TECHNOLOGIES FOR CRITICAL SYSTEMS DEVELOPMENTS," dated 2001	
TL		OCEAN DESIGN, "UNDERWATER MATEABLE CONNECTORS: ENABLING TECHNOLOGY AND THE NEXT STEP IN PERFORMANCE FOR NAVY AND TELECOM APPLICATIONS," PRESENTED AT UNDERWATER INTERVENTION CONFERENCE, 2002	
TL		W MAGAZINE, "INTELLIGENT WELL COMPLETION, THE NEXT STEPS," dated SEPTEMBER, 2002	
TL		PRODUCTION OPTIMIZATION, "INTELLIGENT COMPLETIONS," undated	
TL		SEACON, "MICROSTAR, 4-CHANNEL, WET-MATE, OPTICAL CONNECTOR," undated	
TL		OCEAN DESIGN, INC., "OCEAN DESIGN INTRODUCES NEW I-CONN PRODUCT LINE," dated JULY 22, 2002	
TL		WEATHERFORD, "INTELLIGENT WELL BRIEFING," dated MAY 14, 2003	
TL		"PIONEERING FIBRE OPTIC COMPLETION INSTALLATION IN THE MAHOGANY FIELD, OFFSHORE TRINIDAD," undated	
TL		PES, "MODEL FO FIBRE OPTIC ORIENTATING DISCONNECT HEAD," dated OCTOBER 23, 2000	
TL		SPE 71676, "THE USE OF FIBER-OPTIC DISTRIBUTED TEMPERATURE SENSING AND REMOTE HYDRAULICALLY OPERATED INTERVAL CONTROL VALVES FOR THE MANAGEMENT OF WATER PRODUCTION IN THE DOUGLAS FIELD," dated 2001	
TL		SPE 84324, "BRUNEI FIELD TRIAL OF A FIBRE OPTIC DISTRIBUTED TEMPERATURE SENSOR (OTS) SYSTEM IN A 1,000 m OPEN HOLE HORIZONTAL OIL PRODUCER," dated 2003	

Examiner Signature	T. LE	Date Considered	1/21/05
--------------------	-------	-----------------	---------

¹EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.